Started on	Friday, 24 May 2024, 12:44 PM
	Finished
Completed on	Friday, 24 May 2024, 12:48 PM
Time taken	3 mins 43 secs
Marks	0.00/15.00
Grade	0.00 out of 10.00 (0 %)
Question 1 Not answered	
Marked out of 1.00	

A basketball player is asked to shot free throws in sets of four. The player shoots 100 sets of 4 free throws. The probability distribution for making a particular number of free throws is given below. Determine the standard deviation for this discrete probability distribution.

x	0	1	2	3	4
P(x)	0.42	0.07	0.22	0.27	0.02

Select one:

- \bigcirc a. 1.05
- o b. 1.21
- \bigcirc c. 1.32
- \bigcirc d. 1.10
- e. None of the other choices is correct

Question 2

Not answered

Marked out of 1.00

It was found that 60% of the workers were white, 30% were black and 10% are other races. Given that a worker was white, the probability that the worker had claimed bias was 30%. Given that a worker was black, the probability that the worker had claimed bias was 40%. Given that a worker was other race, the probability that the worker had claimed bias was 0%.

Suppose that a randomly selected worker had claimed bias. What is the probability that the worker is white?

Select one:

- \bigcirc a. 0.4
- \bigcirc b. 0.6
- \bigcirc c. 0.3
- d. None of the other choices is correct
- e. 0.7

Question 3
Not answered
Marked out of 1.00
Suppose that on a particular multiple choice question, 96% of the students answered correctly. What is the probability that a
randomly selected student answered the question incorrectly?
Select one:
\odot a. 0.48
 b. None of the other choices is correct
○ c. 0.04
\odot d. 0.96
○ e. 0.14
Question 4
Not answered
Marked out of 1.00
Assume the probability of a newborn child being female is 0.5. Determine the probability that in 50 births, 35 or more will be female.
Select one:
a. None of the other choices is correct
○ b. \(0.1841\)
o. \(0.0033\)
○ d. \(0.8059\)
e. \(0.0606\)
Question 5
Not answered
Marked out of 1.00
Find the mean for the binomial distribution which has the stated values of $(n = 20)$ and $(p = 3/5)$. Round answer to the nearest
tenth.
Select one:
○ a. \((12.7\)
 b. None of the other choices is correct
o. \((11.5\)
Od. \((12.0\)
○ e. \(12.3\)

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Question 6	
Not answered	
Marked out of 1.00	
connector is e	y is \(5\%\) that an electrical connector that is kept dry fails during the warranty period of a portable computer. If the ver wet, the probability of a failure during the warranty period is \(20\%\). If \(90\%\) of the connectors are kept dry are wet, what proportion of connectors fail during the warranty period?
Select one:	
a. None	of the other choices is correct
○ b. \(0.62	5/)
c. \(0.08	5\)
○ d. \(0.06	5\)
e. \(0.03	5\)
Question 7	
Not answered Marked out of 1.00	
high blood pr Select one: a. \(0.46	O\) of the other choices is correct 3\)
Question 8	
Not answered	
Marked out of 1.00	
	f calls to an Internet service provider during the hour between 6:00 and 7:00 p.m. is described by a Poisson distribution ual to \(15\). Given this information, what is the expected number of calls in the first \(30\) minutes?
Select one:	
○ a. \(225\	
○ b. \(15\)	
○ c. \(3.87	
○ d. \(7.5\)	

e. None of the other choices is correct

Question 9	
Not answered	
Marked out of 1.00	
(35\%\) of the bulbs a purchased? Select one:	ing a sale on tulip bulbs because they have inadvertently mixed pink bulbs with red bulbs. Suppose that \ are pink and \(65\%\) are red. What is the probability that at least one of the bulbs will be pink if \(5\) bulbs are
a. \(0.2082\)b. \(0.8704\)	
c. None of the ot	ther choices is correct
○ d. \(0.9744\)	
e. \(0.8840\)	
Question 10 Not answered Marked out of 1.00	
The on-line access cor	nputers have access to on-line services. Suppose that \(10\) people with home-based computers were randomly mpled. What is the probability that exactly \(5\) of those sampled have access to on-line services at home?
with home-based com and independently sai	
with home-based com and independently san Select one:	
with home-based com and independently san Select one: a. \((0.9389\))	her choices is correct
with home-based com and independently san Select one: a. \((0.9389\) b. \((0.0584\)	her choices is correct
with home-based come and independently sates as Select one: a. \((0.9389\)) b. \((0.0584\)) c. None of the other selections.	ther choices is correct
with home-based come and independently sand independently sand Select one: a. \((0.9389\) b. \((0.0584\) c. None of the oten devices	her choices is correct:
with home-based come and independently sand independently sand Select one: a. \((0.9389\) b. \((0.0584\) c. None of the oten devices devices devices (0.3333\)	her choices is correct
with home-based come and independently sates Select one: a. \((0.9389\)) b. \((0.0584\)) c. None of the oten decided and independently sates of the oten	her choices is correct:
with home-based come and independently sand independently sand Select one: a. \(0.9389\) b. \(0.0584\) c. None of the oten d. \(0.1032\) e. \(0.3333\) Question 11 Not answered Marked out of 1.00 Product codes of \(3, 4)	ther choices is correct 4\) or \(5\) letters are equally likely. What is the mean of the number of letters in \(20\) codes?
with home-based com and independently sales and independently sales select one: a. \(0.9389\) b. \(0.0584\) c. None of the ote of \(0.1032\) e. \(0.1032\) e. \(0.3333\) Question 11 Not answered Marked out of 1.00 Product codes of \(3, 4) Select one:	
with home-based come and independently sand independently sand Select one: a. \(0.9389\) b. \(0.0584\) c. None of the oten of	4\) or \(5\) letters are equally likely. What is the mean of the number of letters in \(20\) codes?
with home-based come and independently said select one: a. \(0.9389\) b. \(0.0584\) c. None of the oten defendent of the oten defen	4\) or \(5\) letters are equally likely. What is the mean of the number of letters in \(20\) codes?
with home-based come and independently sand independently sand Select one: a. \(0.9389\) b. \(0.0584\) c. None of the oten of	4\) or \(5\) letters are equally likely. What is the mean of the number of letters in \(20\) codes?

5:16 24/5/24	Review 1: Attempt review FPT University Quy Nhon
Question 12	
Not answered	
Marked out of 1.00	
· · · · · · · · · · · · · · · · · · ·	the assembly of an optical data storage product is \(0.7\). Assume the trials are two successful alignments require exactly \(4\) trials?
Select one:	
a. \(0.017\)	
○ b. \(0.402\)	
oc. None of the other choices is correct	
○ d. \(0.132\)	
e. \(0.005\)	
Question 13	
Not answered	
Marked out of 1.00	
	ning a lollipop \((LP)\), a cherry drop \((CD)\), and a lemon drop \((LD)\). Each pairs of candies eaten? Create the sample space of possible outcomes.
Select one:	
\bigcirc a. S = {LD-CD, LD-CD, LD-CD, LD-LP, LD-LP, LD-	LP, CD-LP, CD-LP}
○ b. S = {LD-LD, CD-LD, LP-LP, LD-LP, CD-CD, LD-L	LP, LP-CD, CD-LP, LP-LD}
$ c. S = \{CD-LD, LD-LP, LP-CD, LP-LP, LD-LD\} $	
d. S = {LD-LD, CD-LD, LP-LP, LD-CD, CD-CD, LD-	·LP, LP-CD, CD-LP, LP-LD}
 e. None of the other choices is correct 	
Question 14	
Not answered	
Marked out of 1.00	
Given events \(A\) and \(B\) with probabilities \(P((A) = 0.75 \) and \(P(B) = 0.15 \). Are \(A\) and \(B\) mutually exclusive?
Select one:	
a. Cannot be determined	
O b. Yes	

Question 15	
Not answered	
Marked out of 1.00	

An employee at the local ice cream parlor asks three customers if they like chocolate ice cream. What is the sample?

Select one:

- a. None of the other choices is correct.
- b. All men customers.
- o. All customers.
- od. All women customers.
- e. Three selected customers.